

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently amended) A flexible centrifugal chamber comprising:  
a first circular side wall with an axial opening; [[and]]  
a second, opposing circular side wall with an axial opening; and having  
an expandable wall extending between an outer circumference of each of the first and  
second opposing circular side walls,  
wherein the expandable wall is attached to [[a]] the outer circumference of the first  
circular side wall of the flexible chamber and a second end of the expandable wall is attached to  
[[a]] the outer circumference of the second, opposing circular side wall of the flexible chamber,  
wherein the expandable wall includes at least one pair of corresponding connected  
partitions, wherein a first partition of one of the at least one pair of partitions including includes a  
first circumferential end attached to the outer circumference of the first circular side wall, of the  
flexible chamber and wherein a second partition of one of the at least one pair of partitions  
including includes a second circumferential end attached to the outer circumference of the second  
circular side wall of the flexible chamber, wherein the chamber is sterilized, having a variable  
volume capacity and adaptable to a continuous flow centrifuge.

Claim 2-3 (cancelled)

Claim 4 (Currently amended) The flexible chamber according to claim 1, wherein the  
flexible centrifugal chamber comprises a processing chamber.

Claim 5 (Currently amended) The flexible chamber according to claim 1, wherein the flexible centrifugal chamber comprises an expressor chamber.

Claim 6 (Currently amended) The flexible centrifugal chamber according to claim 1, wherein the expandable wall comprises an accordion wall.

Claim 7 (cancelled)

Claim 8 (Currently amended) The flexible centrifugal chamber according to claim 1, wherein the expandable wall includes a plurality of pairs of partitions.

Claim 9 (Currently amended) A centrifuge processing apparatus, comprising a flexible centrifugal chamber comprising:

a first circular side wall with an axial opening ; [[and]]

a second, opposing circular side wall with an axial opening; and having

a circumferential expandable wall extending between an outer circumference of each of the first and second opposing circular side walls,

wherein a first end of the expandable wall is attached to [[a]] the outer circumference of the first circular side wall of the flexible chamber and a second end of the expandable wall is attached to [[a]] the outer circumference of the second, opposing circular side wall of the flexible chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, wherein a first partition of one of the at least one pair of partitions including includes a first circumferential end attached to the outer circumference of the first circular side wall, of the

~~flexible chamber and wherein~~ a second partition of one of the at least one pair of partitions including includes a second circumferential end attached to the outer circumference of the second circular side wall of the flexible chamber, wherein the chamber is sterilized, having a variable volume capacity and adaptable to a continuous flow centrifuge.

Claim 10 (cancelled)

Claim 11 (Currently amended) The centrifuge processing apparatus according to claim 9, wherein [[the]] axial openings ~~provided is included on both of each of the first side of and [[the]] second circular side walls are centered about a rotational axis of the flexible centrifugal chamber.~~

Claim 12 (Currently amended) The centrifuge processing apparatus according to claim 9, wherein the expandable wall comprises an accordion wall.

Claim 13 (cancelled)

Claim 14 (Currently amended) The centrifuge processing apparatus according to claim 9, wherein the expandable wall includes a plurality of pairs of partitions.

Claim 15 (Currently amended) The centrifuge processing apparatus according to claim 9, wherein the flexible centrifugal chamber comprises a processing chamber for containing a material to be centrifuged.

Claim 16 (Currently amended) The centrifuge processing apparatus according to claim 9, wherein the flexible centrifugal chamber comprises an expressor chamber for containing an expressor material.

Claim 17 (Currently amended) The centrifuge processing apparatus according to claim 9, further comprising a plurality of flexible centrifugal chambers.

Claim 18 (Currently amended) The centrifuge processing apparatus according to claim 17, wherein one or more of the plurality of flexible centrifugal chambers comprise processing chambers for containing material to centrifuge and one or more of the plurality of flexible centrifugal chambers comprise expressor chambers for containing expressor material.

Claim 19 (Currently amended) A continuous flow centrifuge including a plurality of flexible centrifugal chambers, each centrifugal chamber of the plurality of centrifugal chambers respectively comprising:

a first circular side wall with an axial opening; and

a second, opposing circular side wall with an axial opening,

wherein at least one either or both of the first [[side]] and [[the]] second circular side walls of each of the flexible centrifugal chamber respectively includes including an axial opening, each [[the]] flexible centrifugal chamber further comprising a circumferential expandable wall extending between an outer circumference of each of the first and second opposing circular side walls, wherein a first end of the expandable wall is attached to an outer circumference of the first circular side wall of the respective flexible centrifugal chamber and a

second end of the expandable wall is attached to an outer circumference of the second, opposing circular side wall of the respective flexible centrifugal chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, wherein a first partition of one of the at least one pair of partitions including includes a first circumferential end attached to the outer circumference of the first circular side wall, of the flexible chamber and wherein a second partition of one of the at least one pair of partitions including includes a second circumferential end attached to the outer circumference of the second circular side wall of the flexible chamber, at least one of the plurality of flexible centrifugal chambers being sterilized and having a variable volume capacity.

Claim 20 (Currently amended) A biological cell processing apparatus comprising:

a continuous flow centrifuge; and

a sterilized flexible centrifugal chamber comprising:

a first circular side wall with an axial opening; [[and]]

a second, opposing circular side wall with an axial opening; and having

a circumferential expandable wall extending between an outer circumference of

each of the first and second opposing circular side walls,

wherein a first end of the expandable wall is attached to [[a]] the outer circumference of the first circular side wall of the flexible chamber and a second end of the expandable wall is attached to [[a]] the outer circumference of the second, opposing circular side wall of the flexible centrifugal chamber,

wherein the expandable wall includes at least one pair of corresponding connected partitions, ~~wherein~~ a first partition of one of the at least one pair of partitions including ~~includes~~ a first circumferential end attached to the outer circumference of the first circular side wall of the ~~flexible chamber~~ and ~~wherein~~ a second partition of one of the at least one pair of partitions including ~~includes~~ a second circumferential end attached to the outer circumference of the second circular side wall of the ~~flexible chamber~~.